

**Year 4**

**Unit: Animals including humans**

**Intent:**

Describe the simple functions of the basic parts of the digestive system in humans.

Identify the different types of teeth in humans and their simple functions.

Construct and interpret a variety of food chains, identifying producers, predators, and prey.

**Prior learning**

Year 1 – Identify and name a range of animals that are carnivores, herbivores, and omnivores.

Year 2 – Find out about and describe the basic needs of animals for survival.

Year 2 – Describe the importance for humans of exercise, eating the right amounts of food, and hygiene.

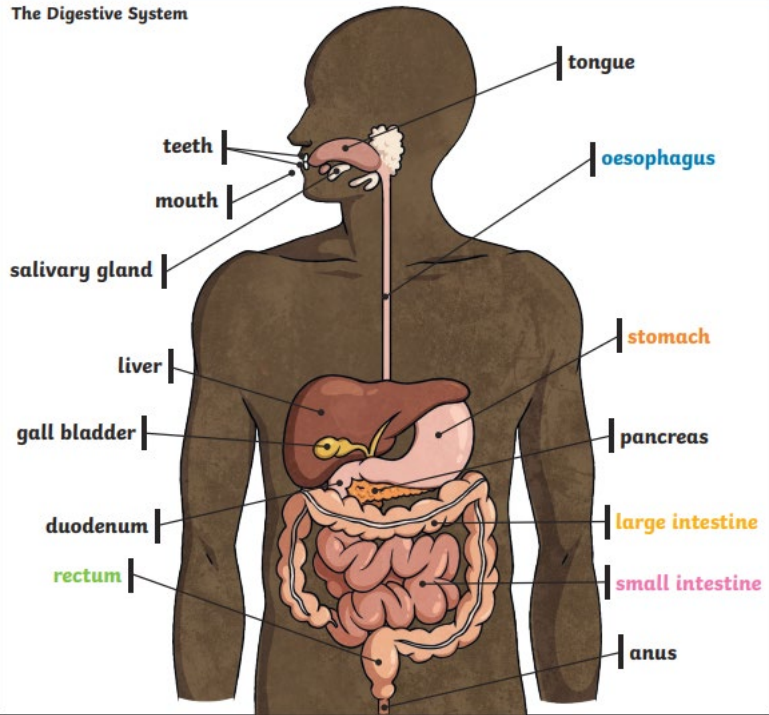
Year 3 – Identify that animals need the right types and amount of nutrition, and that they cannot make their own food.

**Later learning (not in Year 4)**

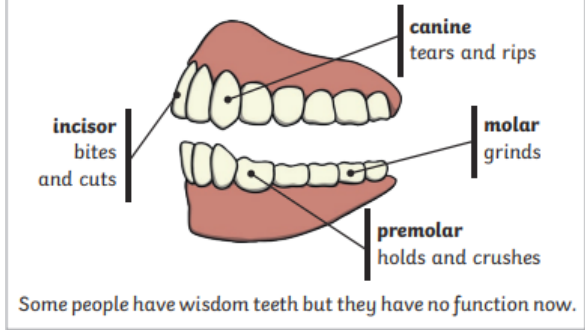
Year 6 – Identify and name the main parts of the circulatory system.

Year 6 – Describe the ways in which nutrients and water are transported within animals.

**The Digestive System**



**Human Teeth and Their Functions**



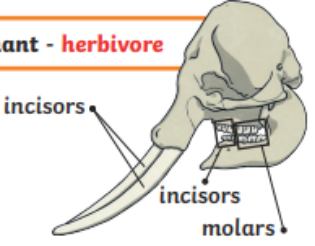
**To help prevent tooth decay:**

- limit sugary food and drink;
- brush teeth at least twice daily using a fluoride toothpaste;
- visit your dentist regularly.

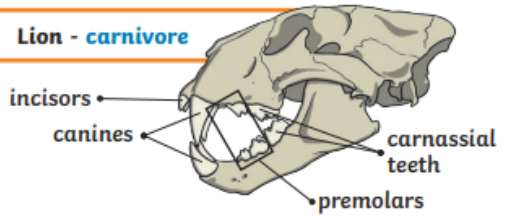


The teeth of an animal are designed to eat different foods depending on the diet of the animal. Examples of a **herbivore**, a **carnivore** and an **omnivore** skull:

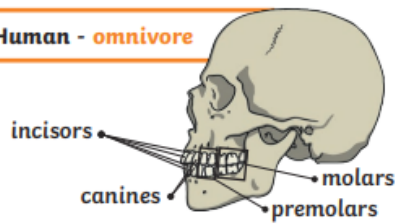
**Elephant - herbivore**



**Lion - carnivore**

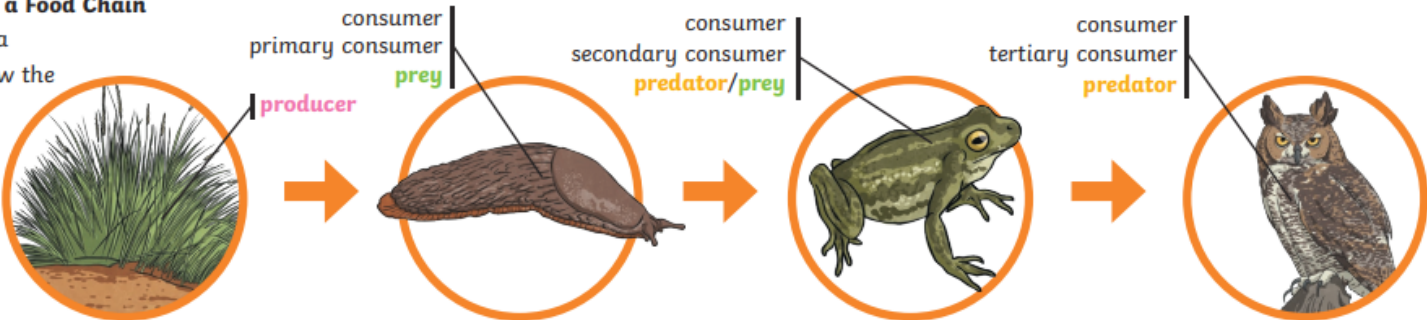


**Human - omnivore**



**An Example of a Food Chain**

The arrows in a food chain show the flow of energy.



**Key Questions:**

- What is the process called where our body breaks down food?
- What is the function of the stomach?
- Which tooth type is used to grind our food?
- What is a producer in a food chain?
- What is the definition of a predator?

**Vocabulary**

<b>Carnivore</b>	An animal that feeds on other animals.
<b>Digest</b>	Break down food so it can be used by the body.
<b>Herbivore</b>	An animal that eats plants.
<b>Large intestine</b>	Part of the intestine where water is absorbed from the remaining waste food. Faeces are formed in the large intestine.
<b>Omnivore</b>	An animal that eats plants and animals.
<b>Oesophagus</b>	A muscular tube which moves food from the mouth to the stomach.
<b>Predator</b>	An animal that hunts and eats other animals.
<b>Prey</b>	An animal that gets hunted and eaten by another animal.
<b>Producer</b>	An organism, such as a plant, that produces its own food.
<b>Rectum</b>	Part of the digestive system where faeces are stored before leaving the body through the anus.
<b>Small intestine</b>	Part of the intestine where nutrients are absorbed into the body.
<b>Stomach</b>	An organ in the digestive system where food is broken down with stomach acid and by being churned around.